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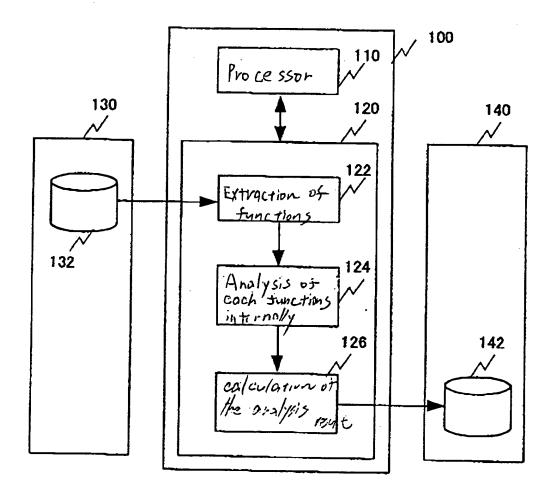
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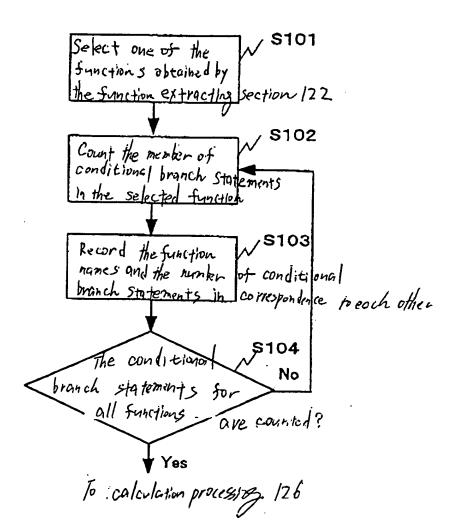
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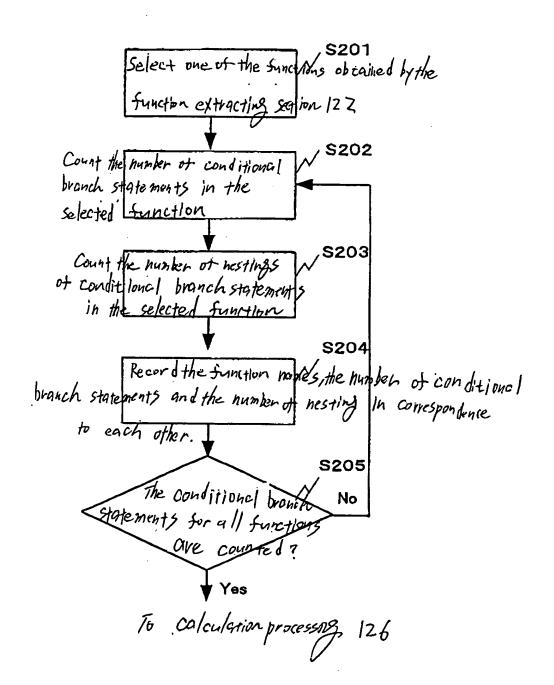
Fig. |



```
int
                                    (AIN1,AIN2)
                       func_A
                                    AIN1,AIN2;
                       int
                       ĺ
                       int
                                    A1. A2:
            211
                       int
                                    AO1;
132
                       if (AIN1 == 10)
                                   if (AIN2 > 20)
                                                            (
                     212
                      } elso {
           213
                       if (AIN1 > 10)
                                               {
                      return (AO1);
          int
                      func_B
                                   (BIN1)
                      int
                                   BIN1:
                      [
                      int
                                   B1, B2;
                      int
                                   BO1;
                      if (BIN1 > 20)
                                               [
                      if (BIN1 > 18)
                      if (BIN1 > 16)
                      }
                      if (BIN1 > 2) [
                                 0 .
                     funo_C
         void
```



Function name Wu	pober of condition	cionel branch state ment >
func_A	3	V V V V V V V V V V V V V V V V V V V
func_B	10	
func_C	0	



Function	Ca	anditional branch	Statement
name	Number	Number of nesting state	hestings Munberot corresponding
func_A	2	0	2
Idile	3	1	1
func_B	10	0	10
func_C	0	0	0

conditional branch statements

F19-[

```
int
                                    (AIN1,AIN2)
                        func_A
                        int
                                    AIN1,AIN2;
                        int
                                    A1, A2;
            211
                        int
                                    AO1:
132
                        if (AIN1 == 10)
                                    if (AIN2 > 20)
                      212
                       ] else {
           213
                       )
if (AIN1 > 10)
                       retum (A01);
}
           void
                       func_D
                                    0
                       int
                                    D1, D2, D3;
                       D2 = func_A1 ( D1 );
         711 -
                       AIN1 = func_A2 ( D2 );
         712
                       D3 = func_A ( AIN1, D2 );
```

Select one of the function S301

obtained by the function extracting section 122

Conditional branch statements

In the selected function

Record the humber of functions

required to gene rate the

Canditional variables

S304

Variable for No

conditional branch statements

In all function are searched for?

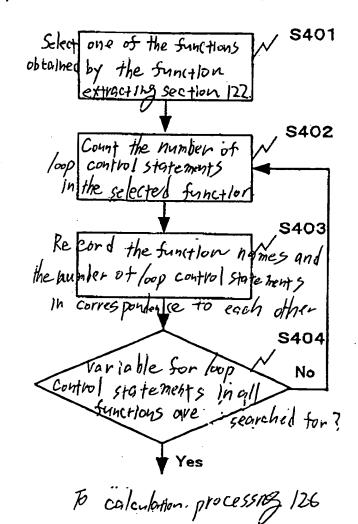
Yes

To colculation processors—126

Fig.9

Function	Conditional	bronch Statemen	h+	7
hame	Number	Variable	generation Number of v	priable
func_A	3	2	1	
141,051	. •	0	1	
func_D	0	0	0	1

```
(AIN1,AIN2)
                        func_LA
           int
                                     AIN1,AIN2;
                        int
                        {
                                     ij;
                        int
                        int
                                     A1, A2;
              1011
132
                                     A01;
                        int
                        for (i = 0; i < AIN1; ++i) [
                                     for (j = 0; j < A!N2; ++j) [
             1013
                        for (i = 0; i < 10; ++i)
                        return (AO1);
                                     (BIN1)
                        func_LB
            int
                        int
                                     BIN1:
                         int
                                     i;
                                     B1, B2;
                         int
                                     BO1;
                         for (i = 0; i < BIN1; ++i) [
                         for (i = 0; i < BIN1; ++i) (
                         for (i = 0; i < BIN1; ++i) {
                         }
                         for (i = 0; i < BIN1; ++i) [
                         func_LC
                                      0
             void
```



Flg./2

Function name	Number of loop coins	ol Statements
func_L_A	3	1
func_LB	10	
func_LC	0]

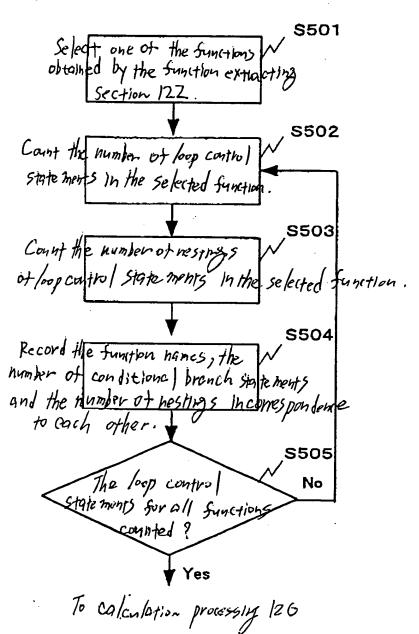
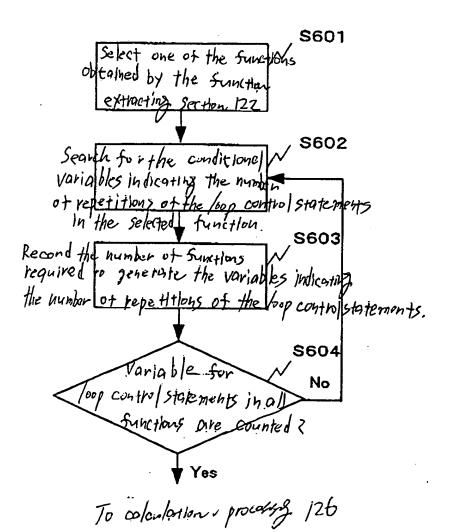


Fig. 14

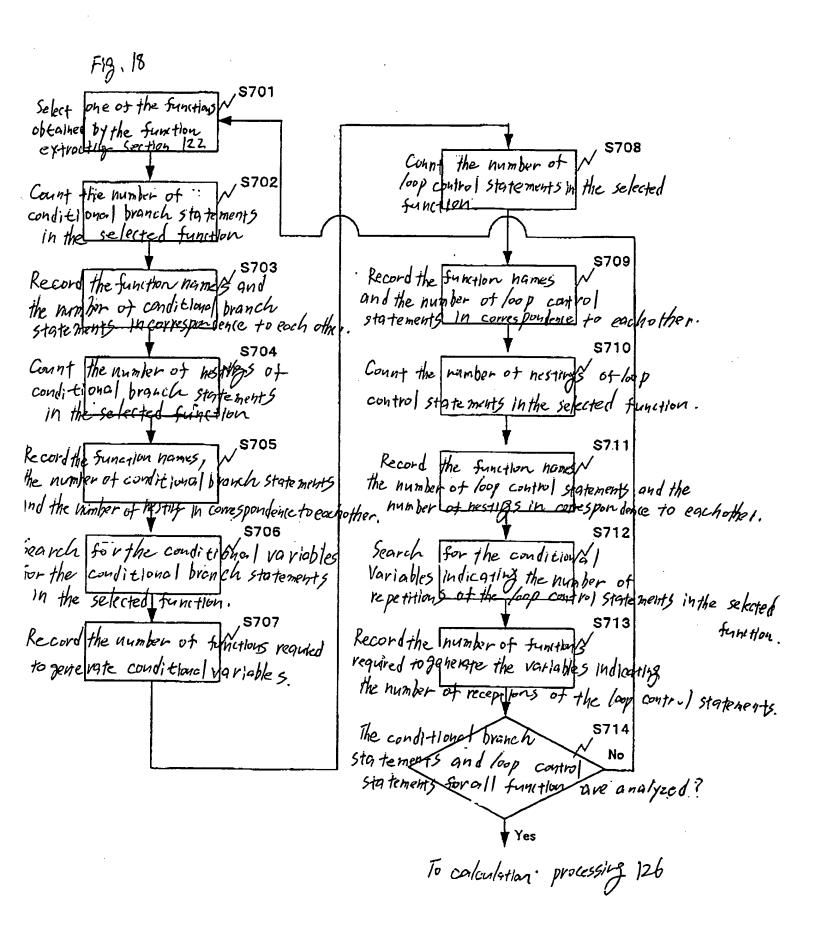
Function	L	oop control statement	ł-	
name	Number	Number of horing store	7/	Ing loop coutrol statemens
func_LA	2	0	2	THE POLY COUTED THE HEATS.
- uno_Dx	<u> </u>	1	1	
func_LB	10	0	10	
func_LC	0	0	0	

```
int
                        func_LA
                                     (AIN1,AIN2)
                        int
                                     AIN1 AIN2;
                        (
                        int
                                     A1, A2;
            1011
                        int
                                     A01:
132
                        for (i = 0; i < A[N1; ++i) [
                                    for (j = 0; j < AIN2; ++j) (
                      1012.
           1013
                        for (i = 0; i < 10; ++i )
                       return (A01);
           void
                                    0
                       func_LD
                       int
                                    D1, D2, D3;
                       D2 = func_LA1 ( D1 );
         1511-
                       AIN1 = func_LA2 ( D2 );
         1512
                       D3 = funcL_A ( AIN1, D2 );
```



F19-17

Fruction hame	Loc	P Control State	ement	
hame	Number	Variable general Number of furtion Negative for severe	tion for the humber	of repetitions
func_LA	3	2	1	
Turro_L	3	0	1	
func_LD	0	0	0	

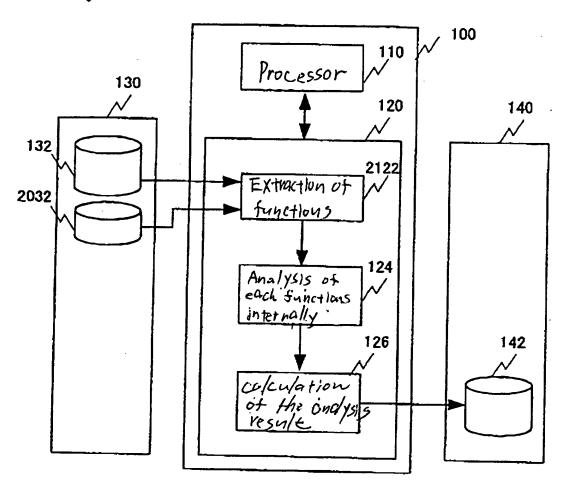


Conditional branch Statements

Treation	ڰ	ditlone	anditional branch. Stateme	to tement			7007	Loop cutte	Statement)
	~~~	Number of	Number of hestings	Variable	able generation		Number of	t nestings	GOWN Thu	of variable	Mumber of nestings (gowsoften of Maylahle Lat the
nome	Musher	Number of	7		1/64 kg. C	Kembou	Minhou	Abrahom Albanta	KKI DEL OF		Jor 196 Author
	Mila	nothystopes	4	<u> </u>	Variables	1	Nothing stages formes parallel	Comes parallel	Functions Aund	Number of	Shouling
func A	7	0	2	7 /	-		- C C	State ments	generation	Company of the Compan	
,	•	-	-	0 /	-	0	0	0	0	0	
func_B	10	0	10	0	-	0	0	0	0	0	
fune C	D	0	0	0	D	0	0	0	0	0	
func_D	0	0	0	0	0	0	0	0	0	0	
ZI out	•	0	a	•	d		0	2	2	-	
				•	>	>	-	-	0		
func_LB	0	0	0	0	0	01	•	2	0	-	
func_LC	0	0	0	0	0	0	0	0	0	0	
func_LD	0	0	0	0	0	0	0	0	0	0	

required for generation

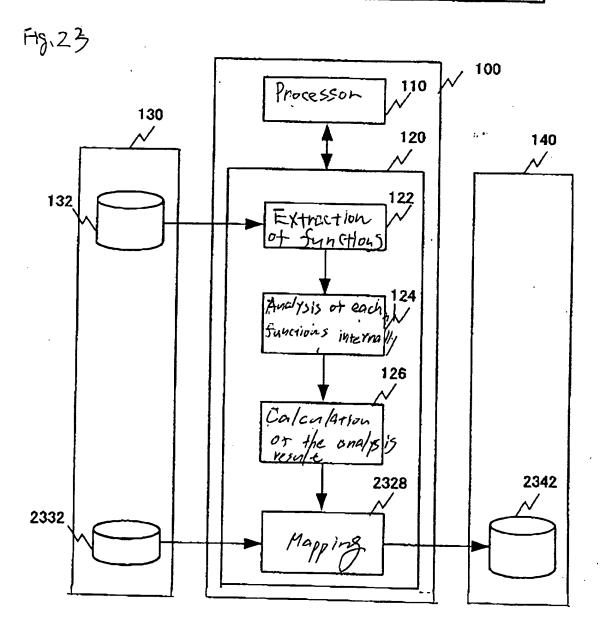
Unaberof funtions



F19.2)

Flg.2Z

Function	Lo	op control state	ement	
name	Numler	Generation of va Number of functions require 1 for some	windles for the	humber of repetitions to variables
func_LA	3	2	1	7.11
+ func_LD		0	1	



F18.24

P	rocessing vult	Preferable Number of	conditional branch statements
	CPU	10. or more	
	DSP	3+09	
Pediate	d logic	2 or less	

F19.25

Funct	low hame	Appropriate process/19.	ini+
	func_A	DSP	
	func_B	CPU	
	func_C	Dedicated Logic	

. F1g-26

	Processing inst	Preferable number of loop	Control Statements
	CPU	3,09	
	DSP	10 or more	
De .	licated 1	2 or less	

. Fig. 27

Function name	Appropriate Processing	, Uni-
func_LA	СРИ	
func_LB	DSP	
func_LC	Dedicated logic	
	<i>y</i>	l .

71g-28

,									
ment	of WATABLES	Uniter 07	. 11	2607	0	20r kg	2 or 65	20r 1055	3 or kis
HO 5/17/2	प्रस्थानमान कर्मा एक कि	Numberest Stynktlows required	Statements the generation	-	2 00 7000	0		or now 2 or nore	0
food com	Nut bet of nosting Generation of Wardeles	Minder of Minder of Munder of Minder of the series of the	statements 8 to 9	0	0	I OY MOTE	Iur more	/	3 orless
Appropriate los control statement	Ma ber o	himber of mesting sease	0	_	201 2012	0	1	2 or mak	0
A		humber		9 84. 8	<u>.</u>		(POFTAVE		3 or less 3 or less
Statement	gene Pation	Munbor ot variobles	S / Or Mak	/ or 2012	<b>\</b>		300 less	1 or less	3 or less
al branch	Variable	Linespanding Corneitling	Or more 0	_	ormore 2 or more	0	-	Or 1855 2 or more	0
te conditional branch statement	Maber of resting variable generation	Uniter of Minter of employs conditional	OF MUTE	for more	/ Or more	349	3 or 1855	d 101 RS	30x Pess
Appropriate	Maper	Namber of Minber of nestring	0		Lor more	0	-	2 or more	0
7		Munber		10 cr more			349:		2 or 1855
\	Function	name		OPU			OSP	1	12 010 PE

Apornoviate las Castes	C Retebotion / Number of M	Kinber Number of Minker of	ration variables (statements) generation 1,9 rather	K=1) (writed 3409 (21) 3409		Cor mare Kith Lartice (0)	10 3 40 9 10 6. 11(1) ( 1/2-1) ( 0x 20 px 1.0.1) (20 px 25)	(1)   Of MED   1.2.1	(or les 1/2-6) 2 2019/16 101 mile 2019/14	( ) ( )
Appro Prigte conditional branch state.	of nestings Variable generation	Sprider Fig.	Listophyls		(101 B) 12 1 1	( Or more ( K=3) /(	369	(Sep. 12)	(or Ex 20; WR (	1) 3 orks
App	Function Number of ne	Hane Munber Munbered Mun malia scops con		10 or more (K=1)		15-0/ 20/20/2	3 200 (121)	DSP (K-2)	(K=3) 205 mas (K=2)	(1-3/) K=6 (1-3/)

CPU=3+4+2+2=11

DSP=6+4+4+6=20 Bedicated 10910. '=1+]+6+2+2=12

F19.30

Function iran	e appropriate process	ing unit
func_A	DSP	
func_B	CPU	
func_C	Dedicated logic	
func_LA	CPU	
func_LB	DSP	
func_LC	Dedicated logic	

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